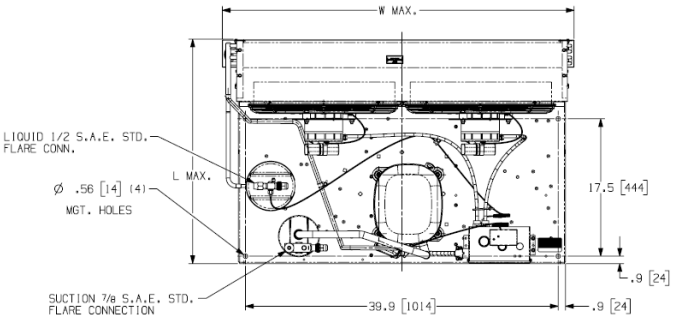
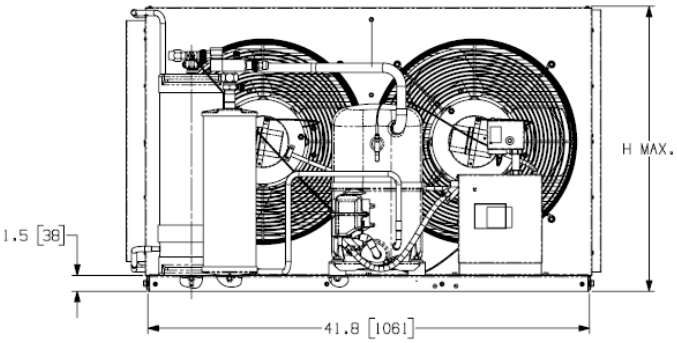
Tecumseh Compressor Company
Indoor Condensing Units

August 20, 2014
Revision: REL

Model: AGA9538ZXTXM **BoM: 2A4084-1** **R-404A** **4¾ HP** **AIRCOOLED**





Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AGA9538ZXTXM	28.8	44.9	26.9	18.3	7/8" F	1/2" F	30.2 lbs	3700	66	285
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting										

		Ambient Temperatures											
Evaporator T		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	23.6	20354	4267	88	17421	4193	98	14181	4047	107	11143	3872	116
0	32.6	26573	4834	91	23105	4827	101	19471	4717	110	16016	4585	119
5	38.6	30151	5127	93	26379	5154	103	22524	5062	111	18807	4954	120
10	43.1	34043	5426	94	29939	5487	104	25850	5413	113	21833	5331	122
20	55.3	42765	6045	98	37922	6172	108	33321	6133	116	28593	6112	125
35	78.1	58196	7022	103	52053	7249	113	46571	7260	121	40501	7346	130
40	85.4	63965	7361	105	57338	7621	115	51533	7648	123	44942	7774	131
45	95.2	70048	7706	107	62910	7999	116	56767	8042	125	49618	8211	133

60 Hz Performance

Return gas temp. 40°F Evaporator Temp. 20°F or less, 5°F sub-cooling
Return gas temp. 65°F for Evaporator Temp. > 20°F, 5°F sub-cooling

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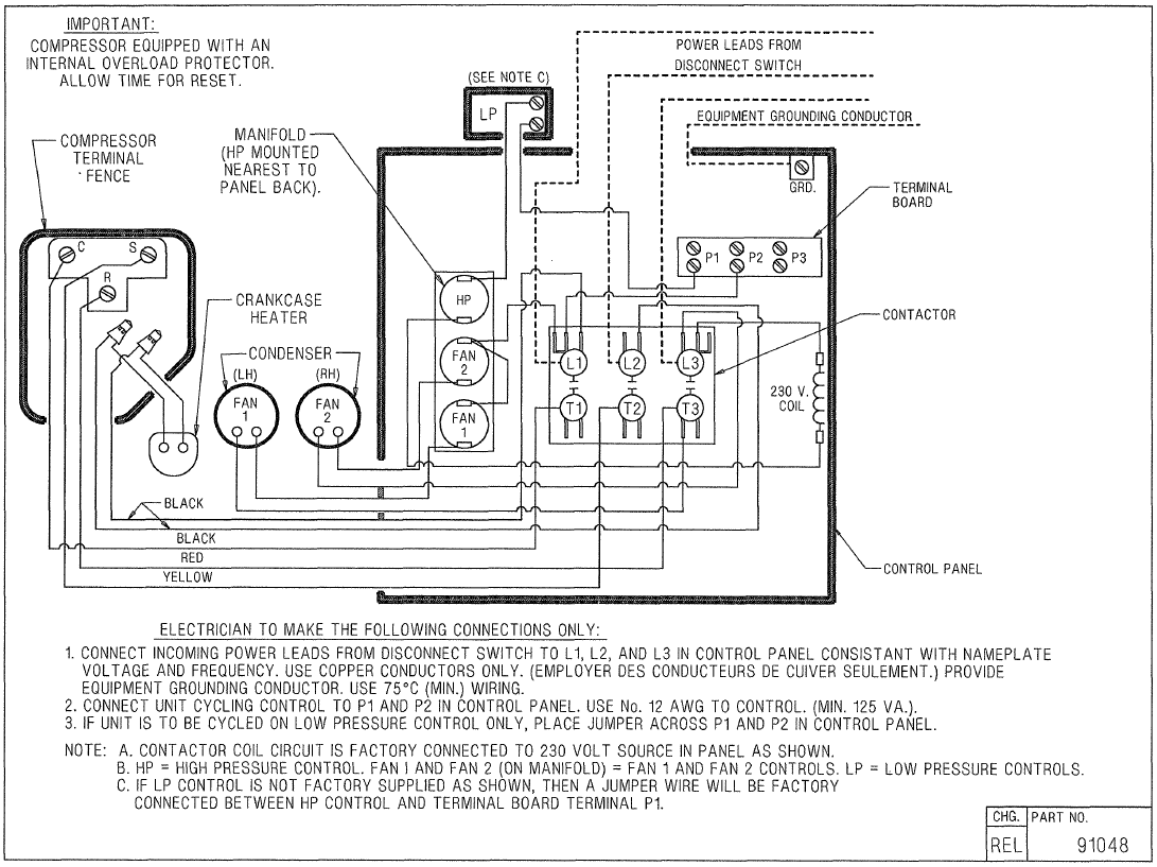
Specifications/ Parts:

Model	AGA9538ZXTXM
Unit Bill of Material	2A4084-1
Nominal Volts/Hz/Ph	200-230/60/3
Refrigeration Range	-10° to 45°F
Design Pressure Low	181
Design Pressure High	450
Voltage Range	187-253
Min. Circuit Ampacity	24.4
Max. Fuse Size (amps)	45
Compressor Model	AGA9530ZXT
Comp. Bill of Material	AG133ST-003-P2
Compressor RLA/LRA	18.7 / 126
Overload	INTERNAL
Relay	N/A
Run Capacitor	N/A
Run Capacitor Rating	N/A
Start Capacitor	N/A
Start Capacitor Rating	N/A
Contactor	91014
Unit Drawing	SU1901-22
Wiring Diagram	91048

Fan Motor	810S186B40 (2)
Fan Motor RLA	1.9 Each
Fan Blade	51528-3 (2)
Fan Guard	70832 (2)
Fan Shroud	70611-1
High Pressure Control	84095-2
Condenser	50777-6
Receiver Tank	51082-2K
Liquid Valve	31585-A
Liquid Valve Gasket	30234
Fan Switch	84094-1
Fan Switch	84094-2
Suction Valve	31576
Rotolock Valve Gasket	30233
Discharge Valve	N/A
Suction Filter *	N/A
Accumulator *	TK00044000
Crankcase Heater *	90699
Low Pressure Control *	84026-2
* = Equipped Units Only	

Electrical Diagram


IMPORTANT:
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
POWER LEADS FROM DISCONNECT SWITCH
(SEE NOTE C)
LP
EQUIPMENT GROUNDING CONDUCTOR
GRD.
TERMINAL BOARD
COMPRESSOR TERMINAL FENCE
MANIFOLD (HP MOUNTED NEAREST TO PANEL BACK).
C
S
R
P1
P2
P3
CRANKCASE HEATER
HP
CONTACTOR
CONDENSER
(LH)
(RH)
FAN 2
FAN 1
FAN 2
FAN 1
L1
L2
L3
T1
T2
T3
230 V. COIL
BLACK
BLACK
RED
YELLOW
CONTROL PANEL
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2, AND L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE No. 12 AWG TO CONTROL. (MIN. 125 VA.).
3. IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 VOLT SOURCE IN PANEL AS SHOWN.
B. HP = HIGH PRESSURE CONTROL. FAN 1 AND FAN 2 (ON MANIFOLD) = FAN 1 AND FAN 2 CONTROLS. LP = LOW PRESSURE CONTROLS.
C. IF LP CONTROL IS NOT FACTORY SUPPLIED AS SHOWN, THEN A JUMPER WIRE WILL BE FACTORY CONNECTED BETWEEN HP CONTROL AND TERMINAL BOARD TERMINAL P1.
CHG.
PART NO.
REL
91048